

ZView Release Notes

ZView 3.5i

The data scroll bar is not visible. On some computers, a driver update has a bug that incorrectly draws older xp themed scrollbars. Changed to a modern 'flat' theme that is drawn correctly.

Modification to read Air Capacitance value from header of ZPlot ASCII 2 format

ECLab data files may incorrectly display a selection for multiple scans per file. Corrected.

Added support for new Ametek Aspire export data format.

If the window size is zero or very small, a divide by zero is created when initializing the graphs. Corrected.

Test for unreasonable window sizes during startup.

ECLab version 11.36 changes file format that can disrupt loading multiple data files. Modify ECLab loader to allow unused Ns column.

ZView 3.5h:

- Added support for modified ECLab data files that were originally measured with multiple cycles, but resaved to a file with only a single cycle.
- Added OLE function to return Chi-Sqr and Sum-Sqr fitting values.
- Corrected recognition of old VoltaLab data files.
- Add support for HP4292 files with extra Data Real and Data Imag columns

ZView 3.5g:

- Added support for multiple data sets in a user defined (ini file defined) data format.
- In DX29,30,31 distributed elements, the U and P parameters are reversed. Corrected.
- A combination of left and right clicks in the equivalent circuits model could display the pop-up menu with no highlighted component. Using the menu will cause an error. Corrected.
- The minimize button has been removed from the Equivalent Circuits, Instant Fit and Data Values windows.
- Added DX-32 circuit element from Siroma, et.al. Journal of Power Sources 316 (2016) 215-223
- Added support for N4th V2 file format
- Modified Ivium data import to handle a defect in the files. Some files contain #13#0 instead of #13#10 (crlf)

- Added support for modified Admiral-SquidStat data file format.

ZView 3.5f:

- Add support for Admiral Instruments - Squidstat impedance data. One data set per data file only.

ZView 3.5d:

- Added dx24-dx31 distributed elements.
- If the Fitting parameter "Beep when Finished" is selected, it will incorrectly turn on the "Exclude/Merge selected data" check box. Corrected.

ZView 3.5b:

- If Help | About is used to check for a key, the laser id is not saved to the ini file and it may warn that the key will expire even with the key attached. Corrected.
- Added distributed element DX24 - Havriliak - Negami element (HN) in a transmission line.
- Added Help File information for several new DE and DX elements.

ZView 3.5a:

- Improved the time values saved as part of a Batch Mode fitting.
- Improved importing data files saved in the unix format which uses only a CR instead of CRLF at the end of each text line.
- Added an ini file setting [Fitting] Digits=8 will save 8 significant digits for the parameter values. Note that parameters values do not normally have this level of precision.
- The old M axes were Scaled by Czero. These have been renamed M*C0. A new M axis has been added that is not scaled by C0.
- Allow pasting values into an equivalent circuit using Ctrl-V
- Allow ZView to be installed on Windows Server 2012.
- Added a new distributed element DX23

R. Jurczakowski, P. Polczynski, J.Phys.Chem C, 118 (15), pp. 7980-7988, 2014

P. Polczynski, R. Jurczakowski, Electrochimica Acta, 2015 in press

ZView 3.4e

- Add support for Unicode data files when loading files using the [Format] setting in ZView.ini
- Add support for Windows 10

ZView 3.4d

- Added support for .mdat files in the Batch Fitting Mode
- Ignore $z'=0$, $z''=0$ values from exported modulab data files
- Changed COMEG definition in LEVB file. It may have been a real value instead of complex. This only effects DE elements 20-30

ZView 3.4c

- Increased timer interval in batch fitting to 500mS. Avoids i/o error messages.
- Add Copy Data to Clipboard to graph Popup menus.
- Add dongle expiration warning
- Demo dongle works for 30 days without key

ZView 3.4b

- Added support for FlowCell data files with european decimal format (1,23 vs 1.23)

ZView 3.4a

- Corrected a problem where a LaserArray value of 255 could cause a range error on when reading ini file on startup
- Added support for expiring Hash Code Authorization